



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Thomas H. Baker et al.	)	Group
		)	Art
Serial No.:	09/183,819	)	Unit:
		)	
Filed:	October 30, 1998	)	
		)	
For:	"COLOR-CALIBRATION SENSOR	)	
	SYSTEM FOR INCREMENTAL	)	
	PRINTING"	)	
		)	Examiner
Our docket:	60980005H190	)	Julian D. Huffman

DECLARATION OF ROBERT F. POE, Ph. D.

Hon. Asst. Commissioner for Patents  
P. O. Box 1450  
Arlington VA 22313-1450

Sir:

I, Robert F. Poe, Ph. D., declare as follows.

1. I hold a bachelor's degree in physics from the California Institute of Technology (Caltech), and a doctorate in physics from the University of California, San Diego.

2. I have recently retired from many years of employment as a scientist with operating units of the Eastman Kodak Company, which is renowned worldwide for its work in the field of color reproduction.

3. Much of my work with Kodak related to color science, and particularly to measurement of observable printed color.

4. I have participated in measurements of printed color marks or colorimetric test-pattern patches using a sensor; and also have made such measurements of colorimetric test-pattern patches on a monitor, using a sensor.

5. In view of items 1 through 4 above, my opinion in the area of color-mark measurements qualifies as an expert opinion in that area.

6. If a document states that a particular sensor is to be carried on an auxiliary carriage for making color measurements of marks or test patches, then people skilled in the field of apparatus design for making color measurements can be expected to draw certain inferences from that document.

7. In particular, I will discuss inferences that such skilled people can be expected to draw if the document states (emphasis added):

"This auxiliary carriage can have very loose requirements. . . . Its positioning accuracy need be only sufficient to position the sensor over a . . . test patch."

8. In this case, skilled people can be expected to understand and infer that the positioning accuracy of the carriage should be both:

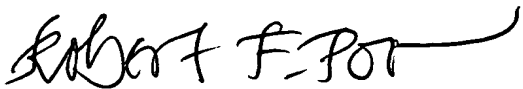
- (a) on the order of the dimension of an individual "mark" or "test patch", and
- (b) a fraction of said dimension.

9. Such skilled people can be expected to understand that the latter recitation #(b) is in some ways simply a more-specific and narrower conclusion than the former recitation #(a) — and in fact that both of these recitations follow from the statement that the positioning accuracy should be "sufficient to position the sensor over a . . . test patch."

10. Such skilled people would also understand, from the statement in paragraph 7 above, that if the accuracy were not a fraction of the mark or test-patch dimension, then the measurement designer would run the risk of taking measurements with the sensor only partially over the mark or test patch, and partially over the area surrounding the mark or test patch; and that such measurements would be flawed, being corrupted by extraneous colors in the surrounding area.

All statements herein made of my own knowledge are true; all statements made on information and belief I believe to be true. I understand that willful false statements and the like herein are punishable by fine or imprisonment, or both (18 U.S.C. 1001) and may jeopardize the validity of the subject application or any patent issued thereon.

March 23, 2004  
date

  
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Robert F. Poe